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SWEDISH RESEARCH RELATED TO THE STRATOSPHERIC OZONE PROBLEMS

Presented by

The Government of Sweden

DEPARTMENT OF METEOROLOGY
UNIVERSITY OF STOCKHOLM (MISU) Sweden
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Swedish research related to the stratospheric ozone problems

At present there is no research in Sweden aiming directly at the stratospheric ozone problems. There are, however, a number of research activities dealing with related topics, such as those listed below.

1. Department of Meteorology, University of Stockholm (Head Prof B Bolin)

- Precipitation chemistry (L Granat, R Söderlund)
- Atmospheric chemistry of NO_x (R Söderlund)
- Assessment of regional and global cycles of sulphur and nitrogen (L Granat, H Rodhe, R Söderlund)
- Regional and global transport models (B Bolin, I Isaksen, H Rodhe, in cooperation with the Department of Geophysics, University of Oslo, Norway)
- Measurements of O_3 and NO_x in the mesosphere (G Witt)

2. Swedish University for Agriculture, Forestry and Veterinary Medicine, Department of Microbiology (Head Prof B Norén), Department of Plant Biology (Head Prof S L Janson), Department of Forest Soils

- Research about nitrogen cycling in soil and vegetation (S Janson, B Norén)
- Denitrification processes (B Norén, H Nömmik)
- N_2O-formation (U Granhall, T Rosswall, B Svensson)
- N_2O-absorption in soils (B Svensson)

3. University of Gothenburg, Department of Dermatology (Head Prof G Swanbeck)

- Chromosomal damage to man from ultraviolet radiation

4. Swedish Aerosol Association, Box 238, 24020 Furulund, Sweden (B Bengtson)

- Follows up producers research and development outside Sweden